

Fig. 1

NAT rule

Pre-mapping domain

Source Address: 10.1.1.0 - 10.1.1.255

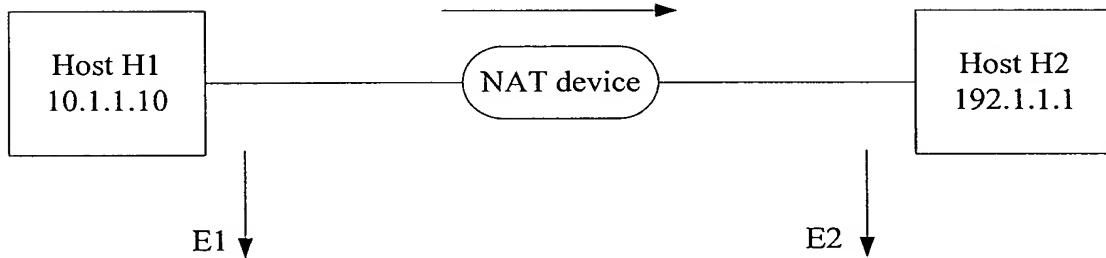
Destination Address: 100.1.1.1

Post-mapping domain

Source Address: 20.1.1.1

Destination Address: 192.1.1.1

Network traffic



SQ1

Source Address: 10.1.1.10

Source Port: 5000

Destination Address: 100.1.1.1

Destination Port: 80

Protocol : TCP

SQ2

Source Address: 20.1.1.1

Source Port: 6000

Destination Address: 192.1.1.1

Destination Port: 80

Protocol : TCP

Fig. 2

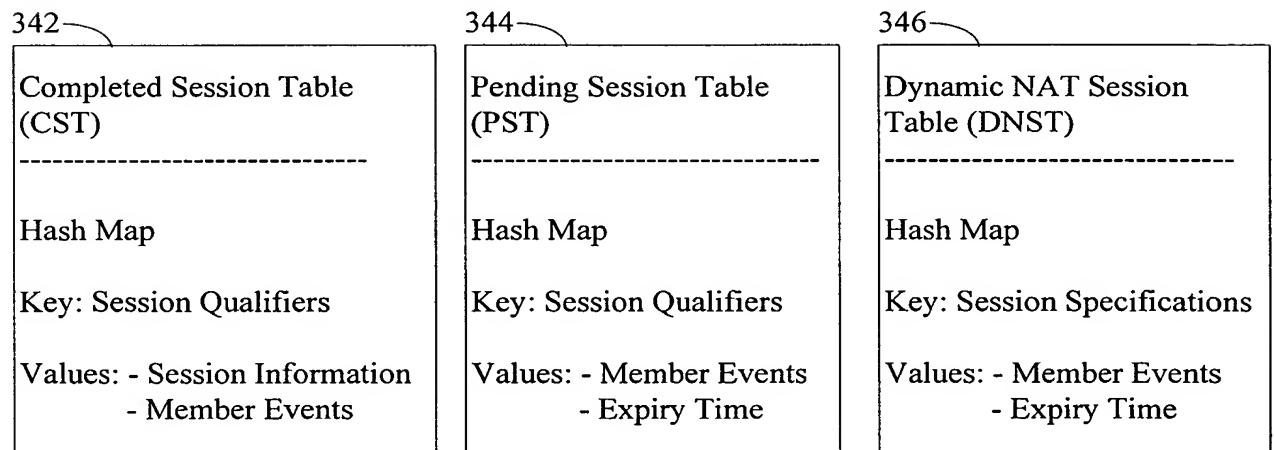
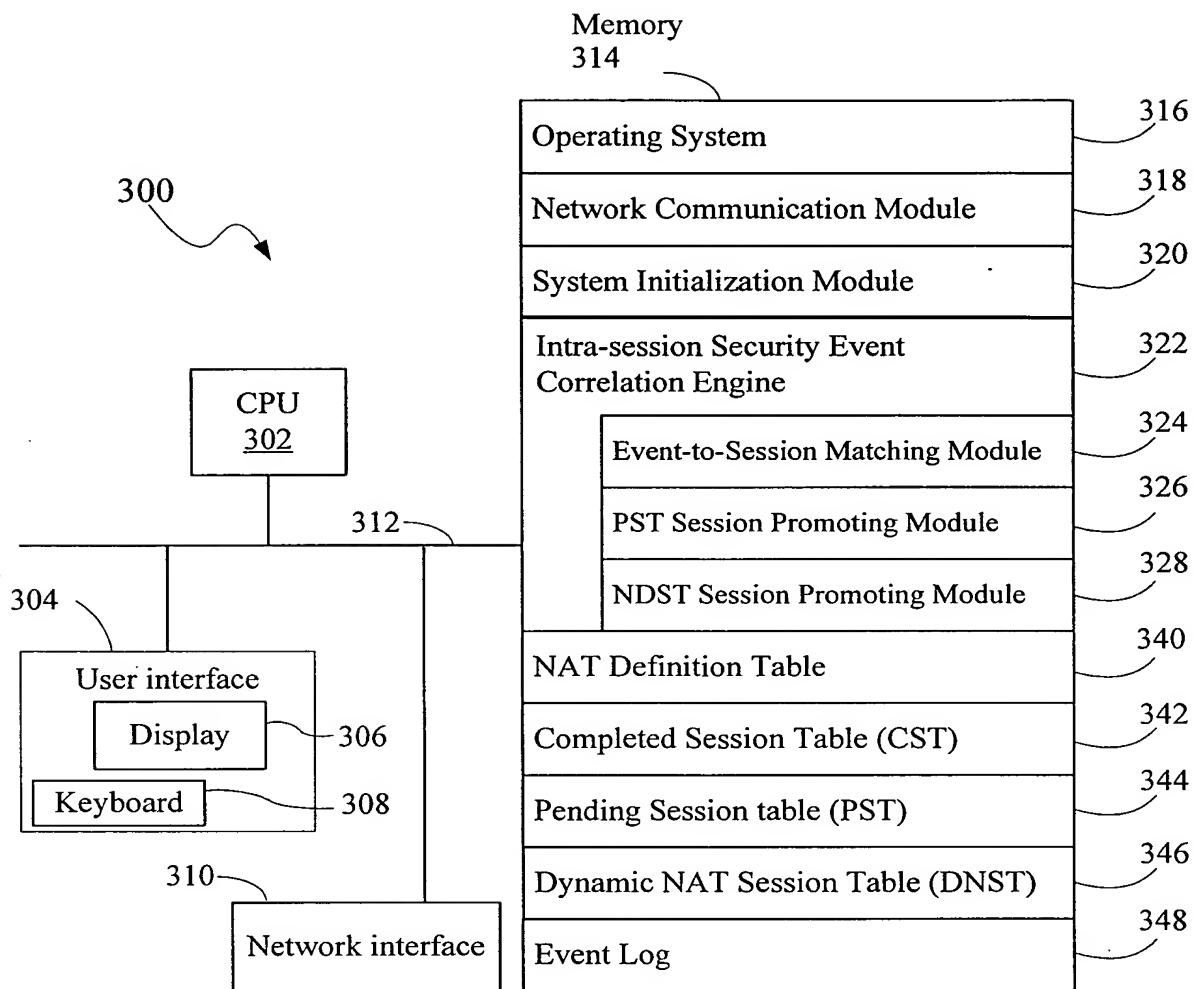


Fig. 3

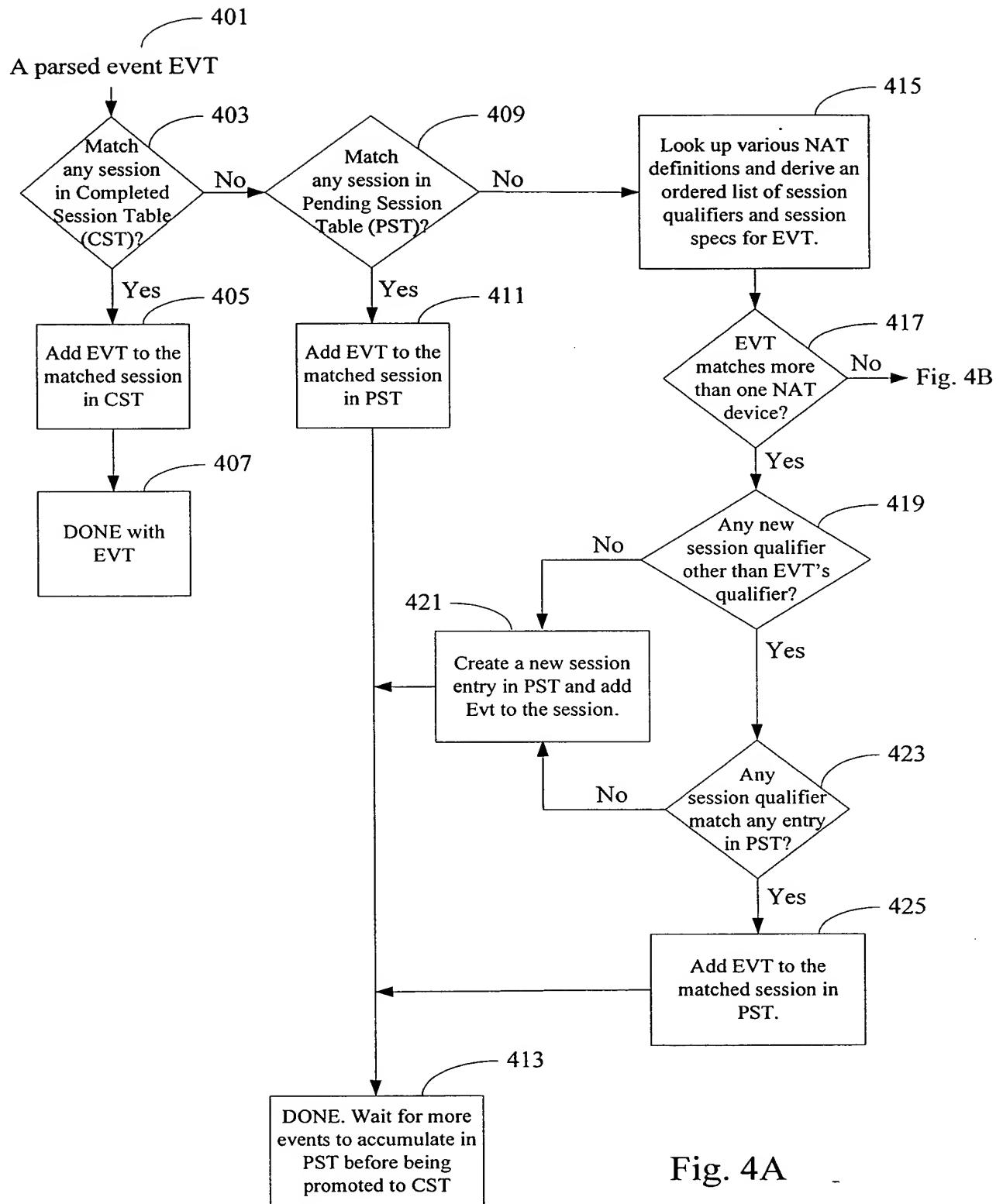


Fig. 4A

Fig. 4A

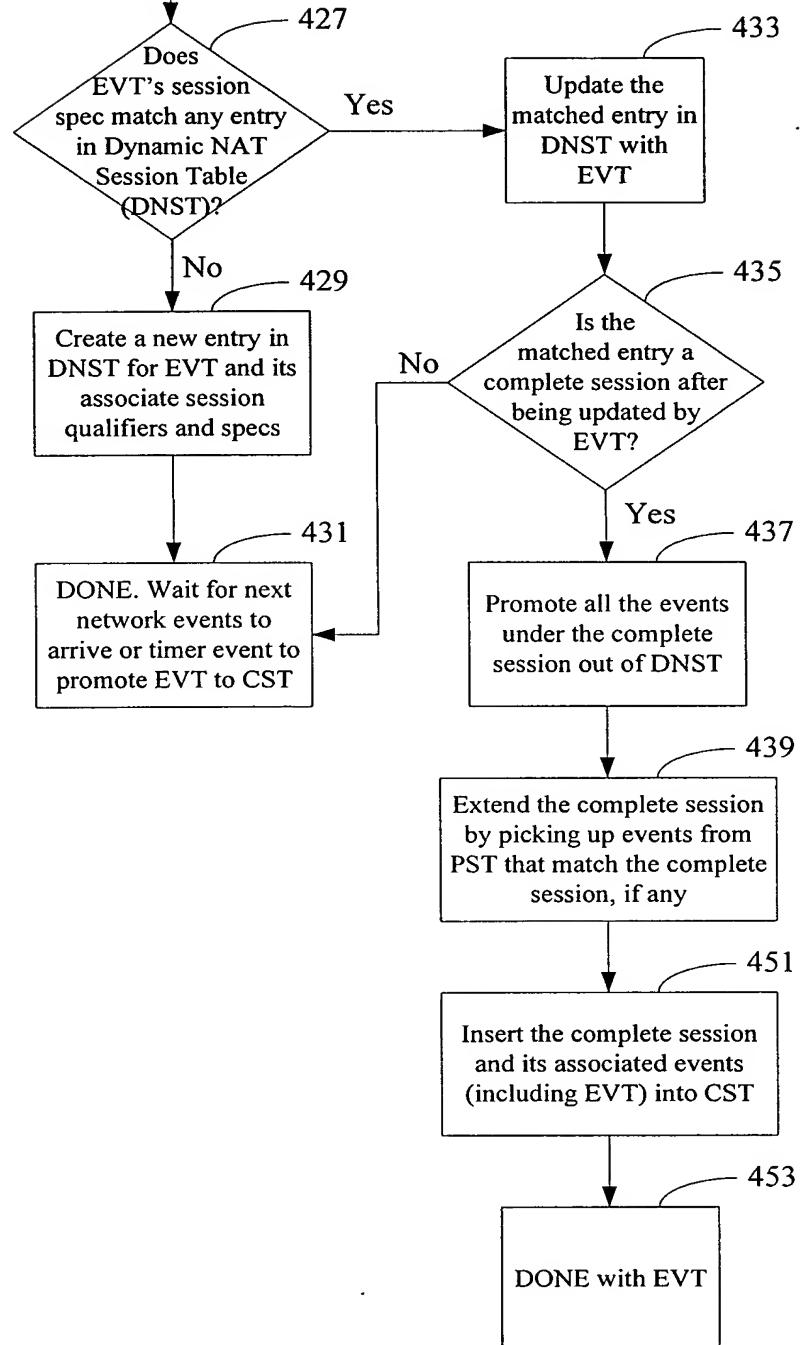


Fig. 4B

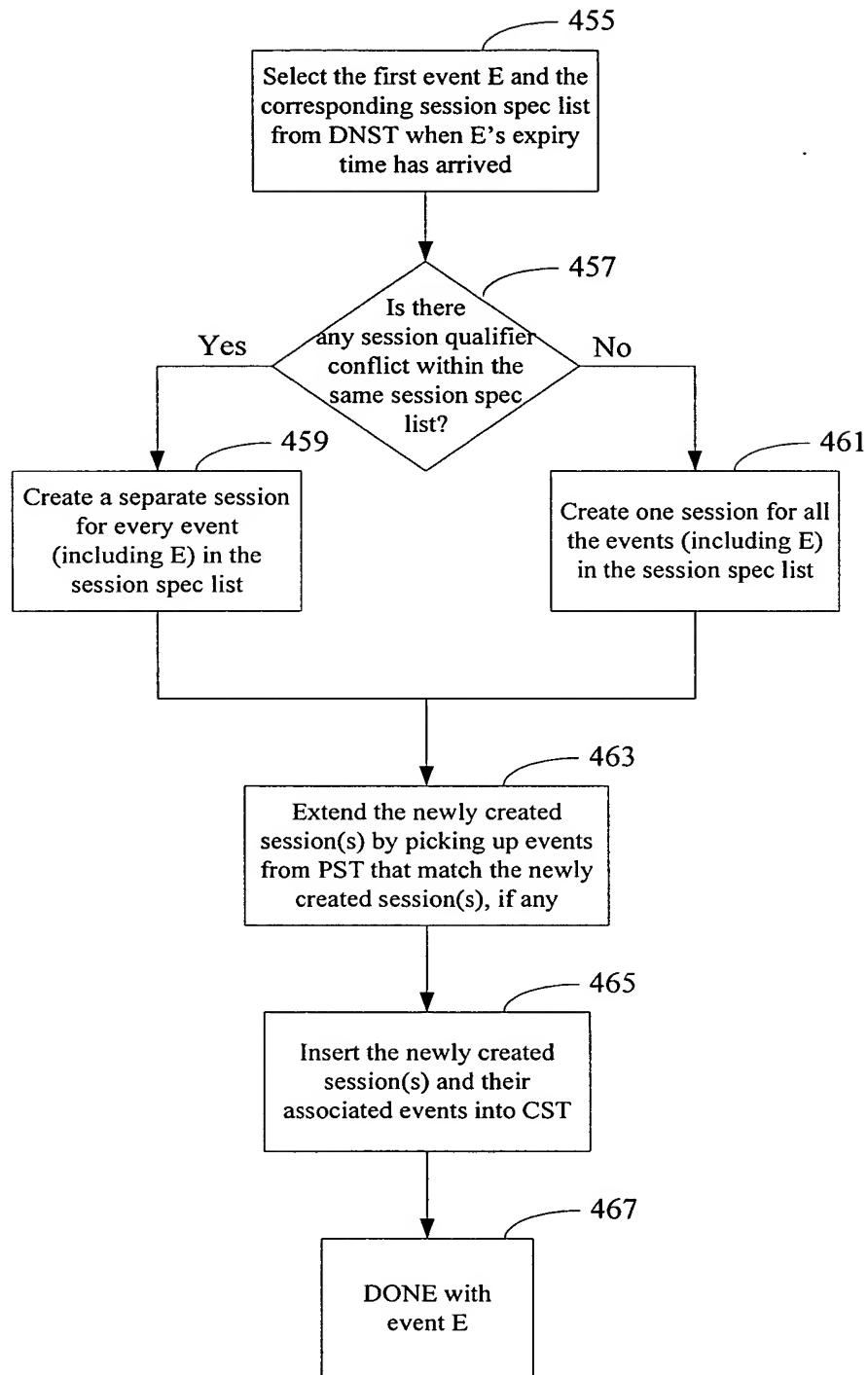


Fig. 4C

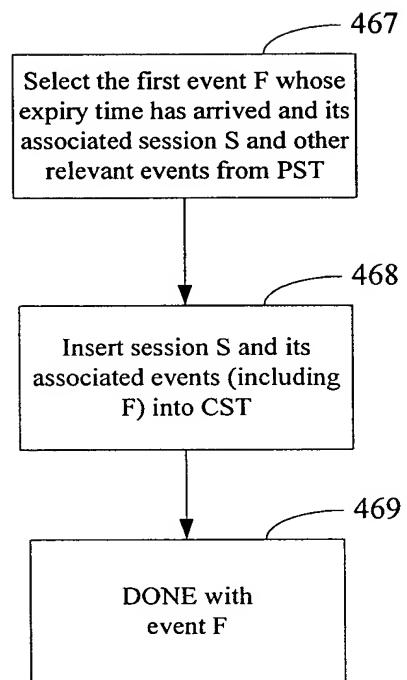


Fig. 4D

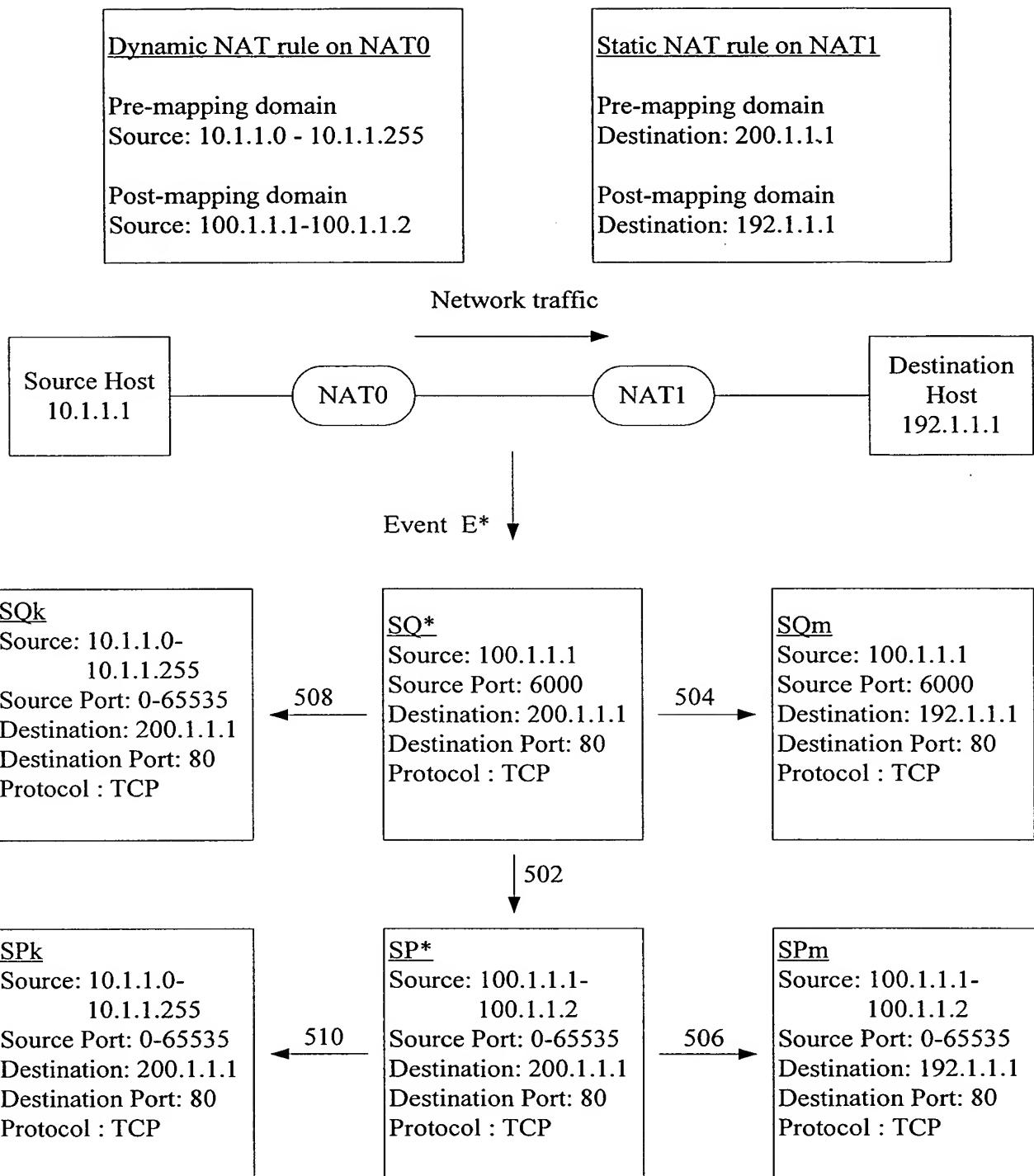


Fig. 5

NAT1 definition

Pre-mapping domain
source address : 10.1.1.0-10.1.1.255

Post-mapping domain
source address : 20.1.1.1

NAT2 definition

Pre-mapping domain
destination address : 100.1.1.1-100.1.1.10
destination port : 80

Post-mapping domain
destination address : 192.1.1.1-192.1.1.10
destination port = 8080

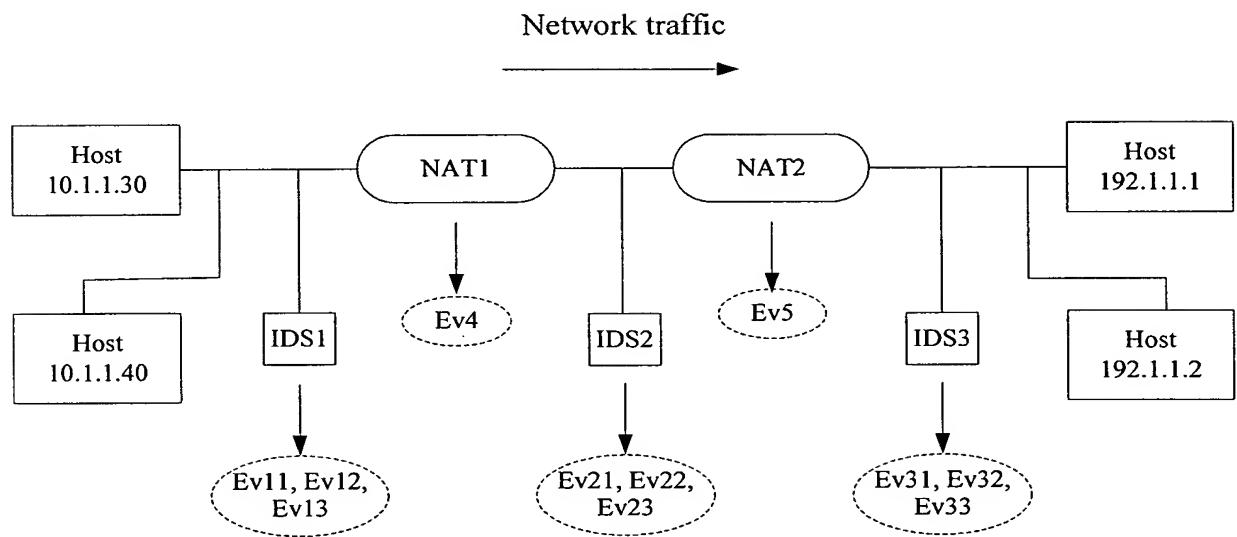
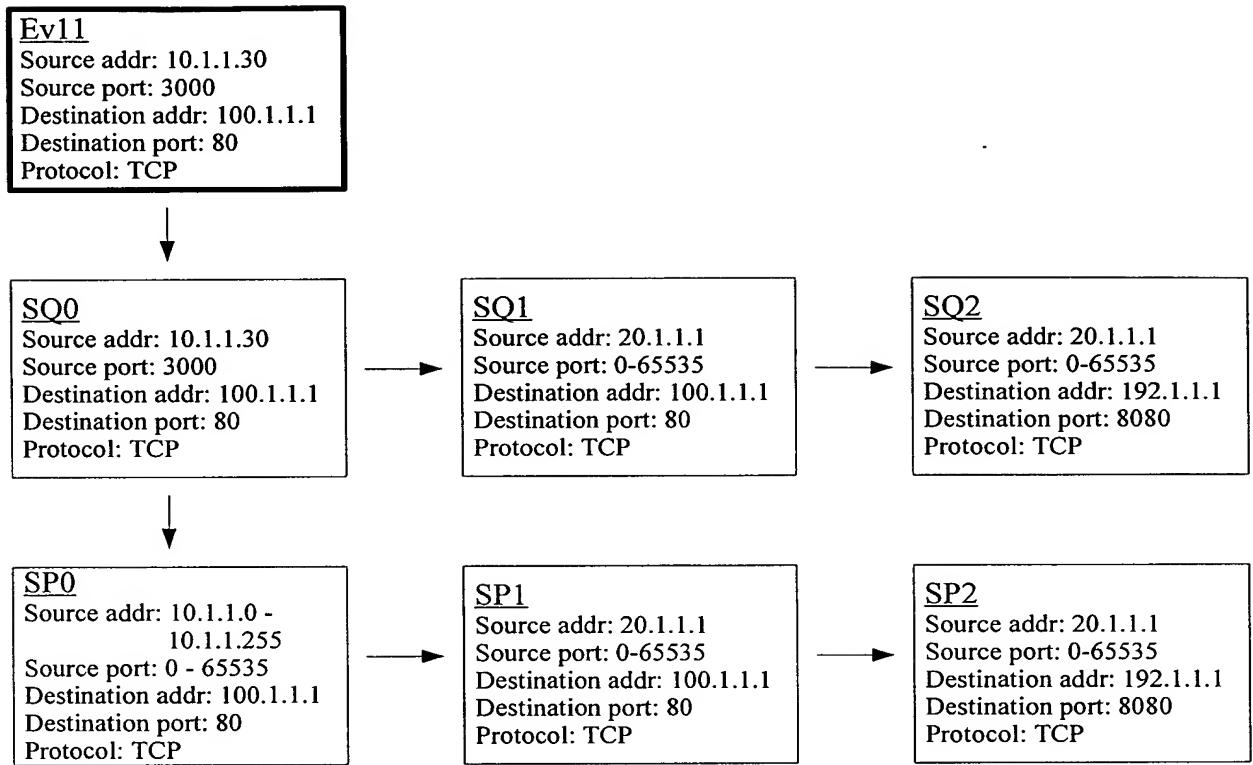


Fig. 6A

NAT Lookup



DNST

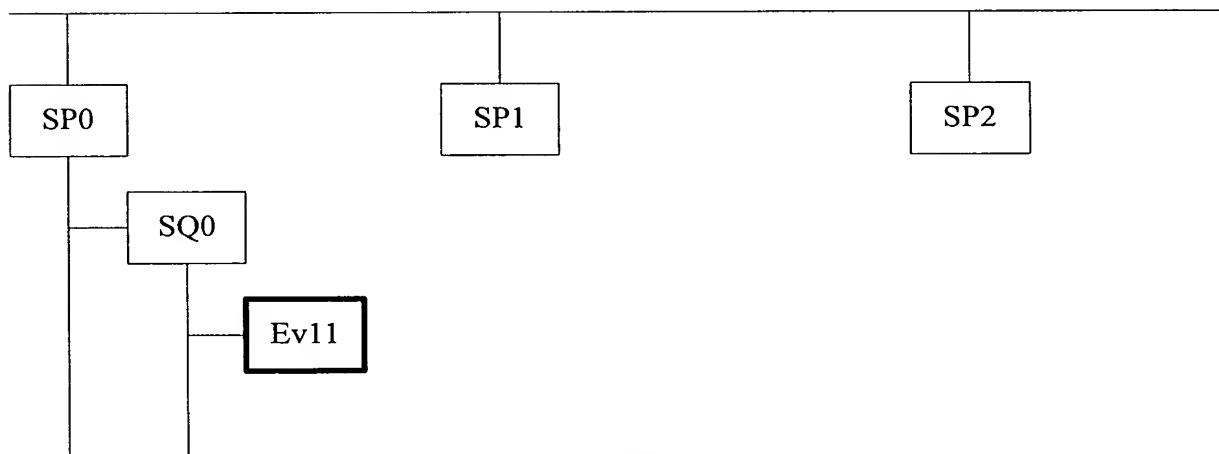
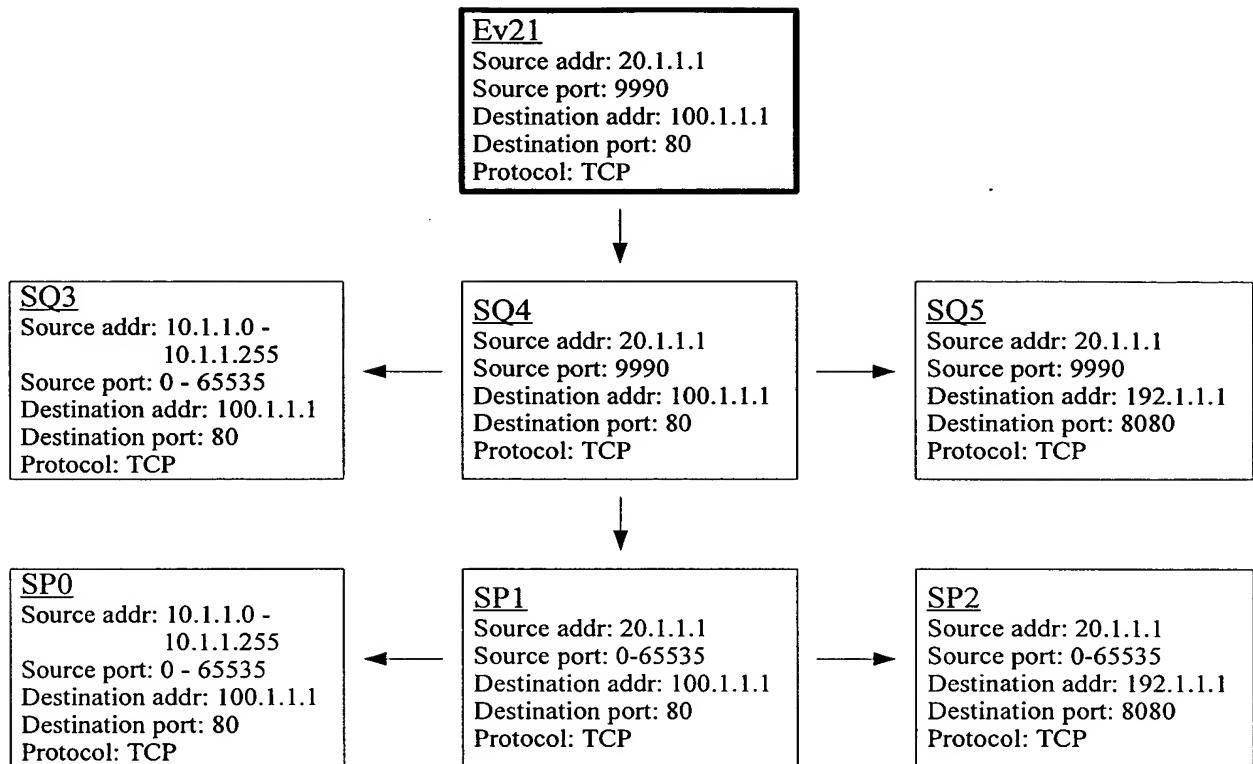


Fig. 6B

NAT Lookup



DNST

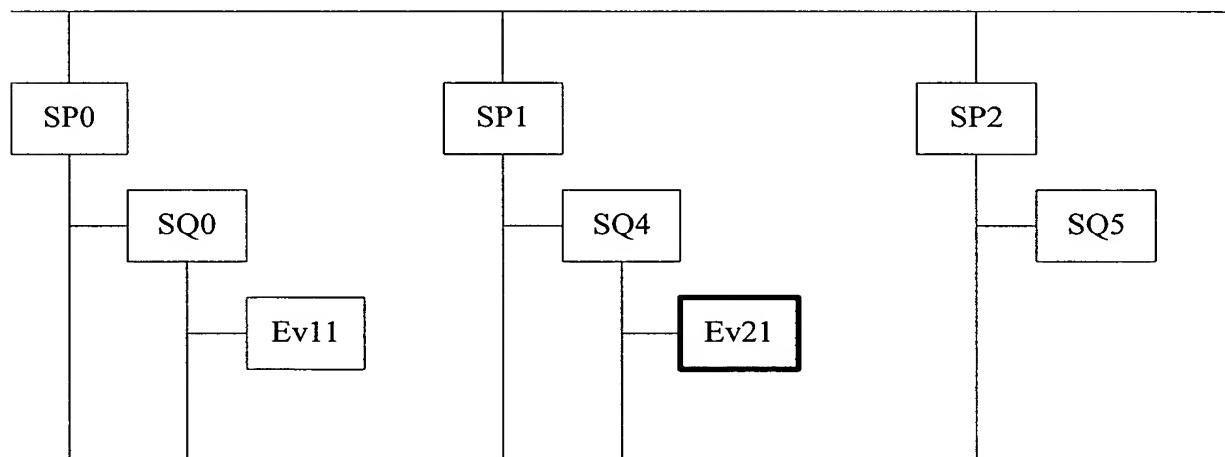
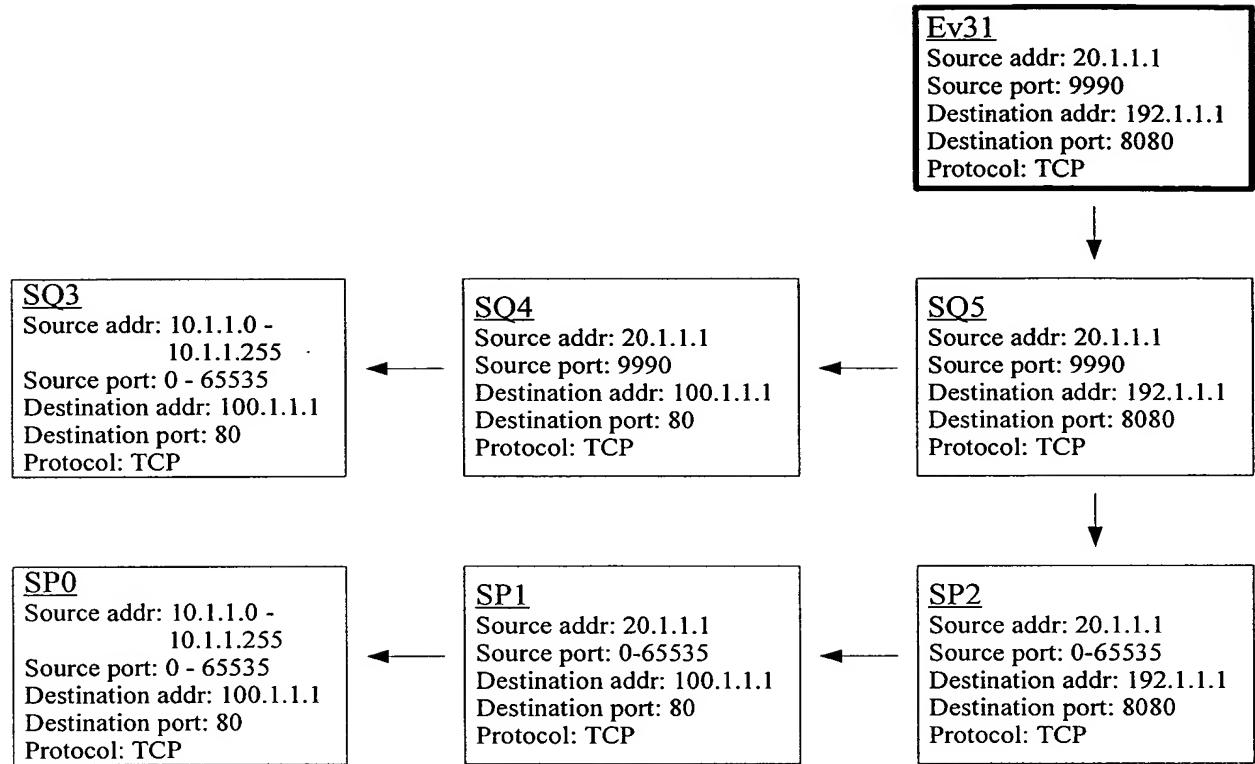


Fig. 6C

NAT Lookup



DNST

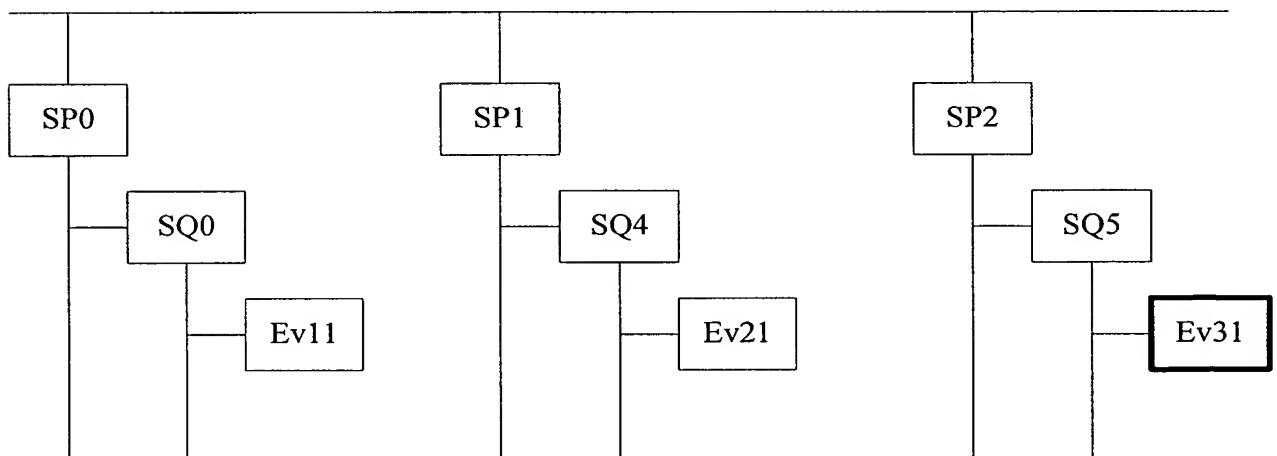
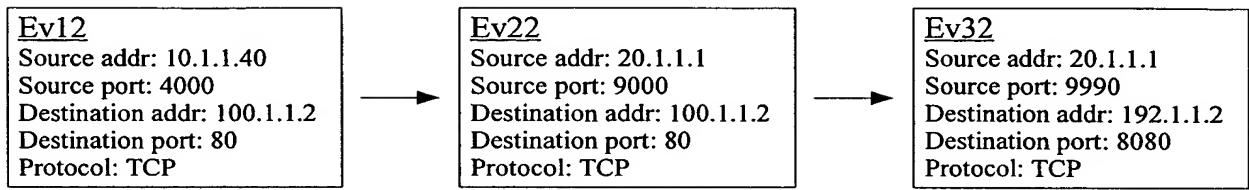


Fig. 6D



DNST

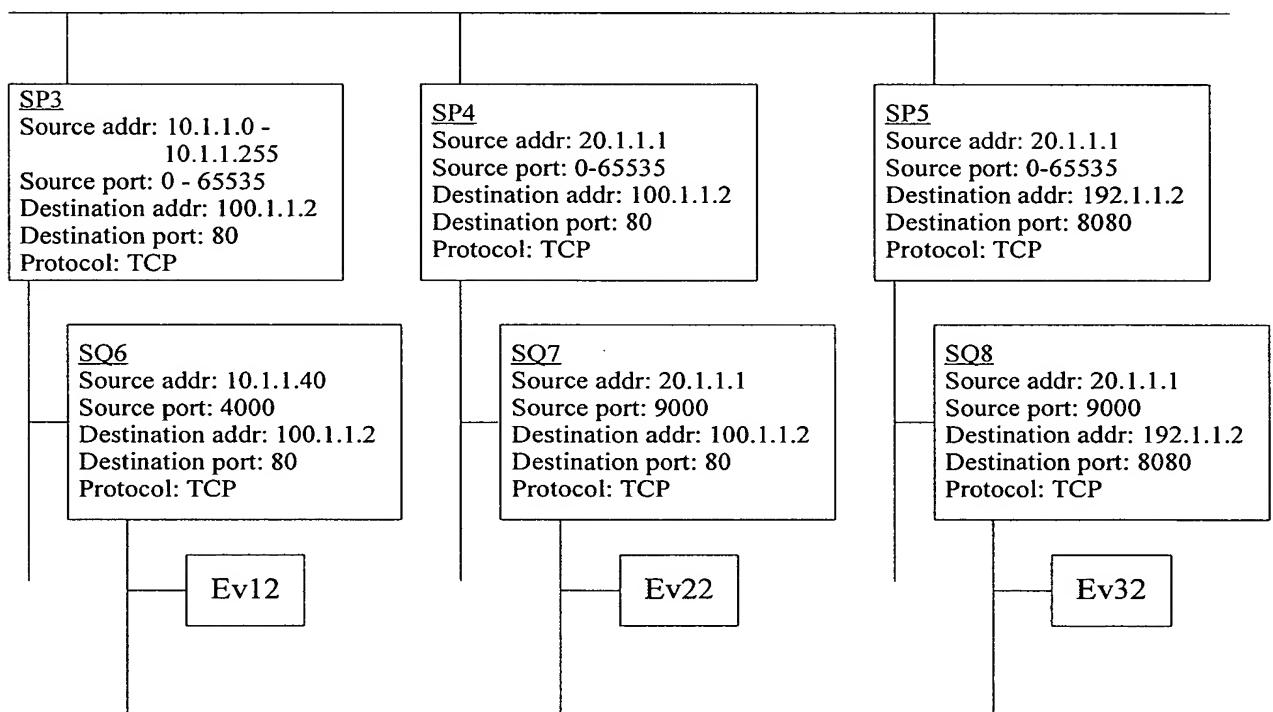
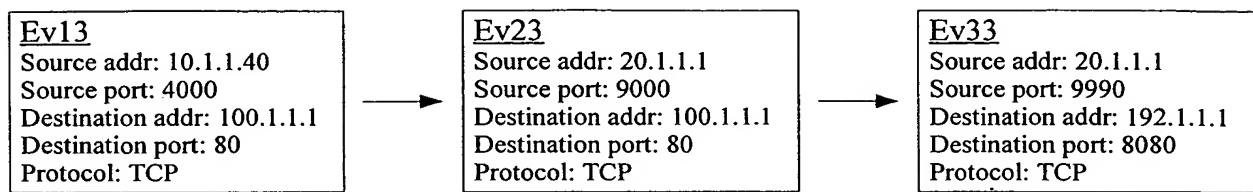


Fig. 6E



DNST

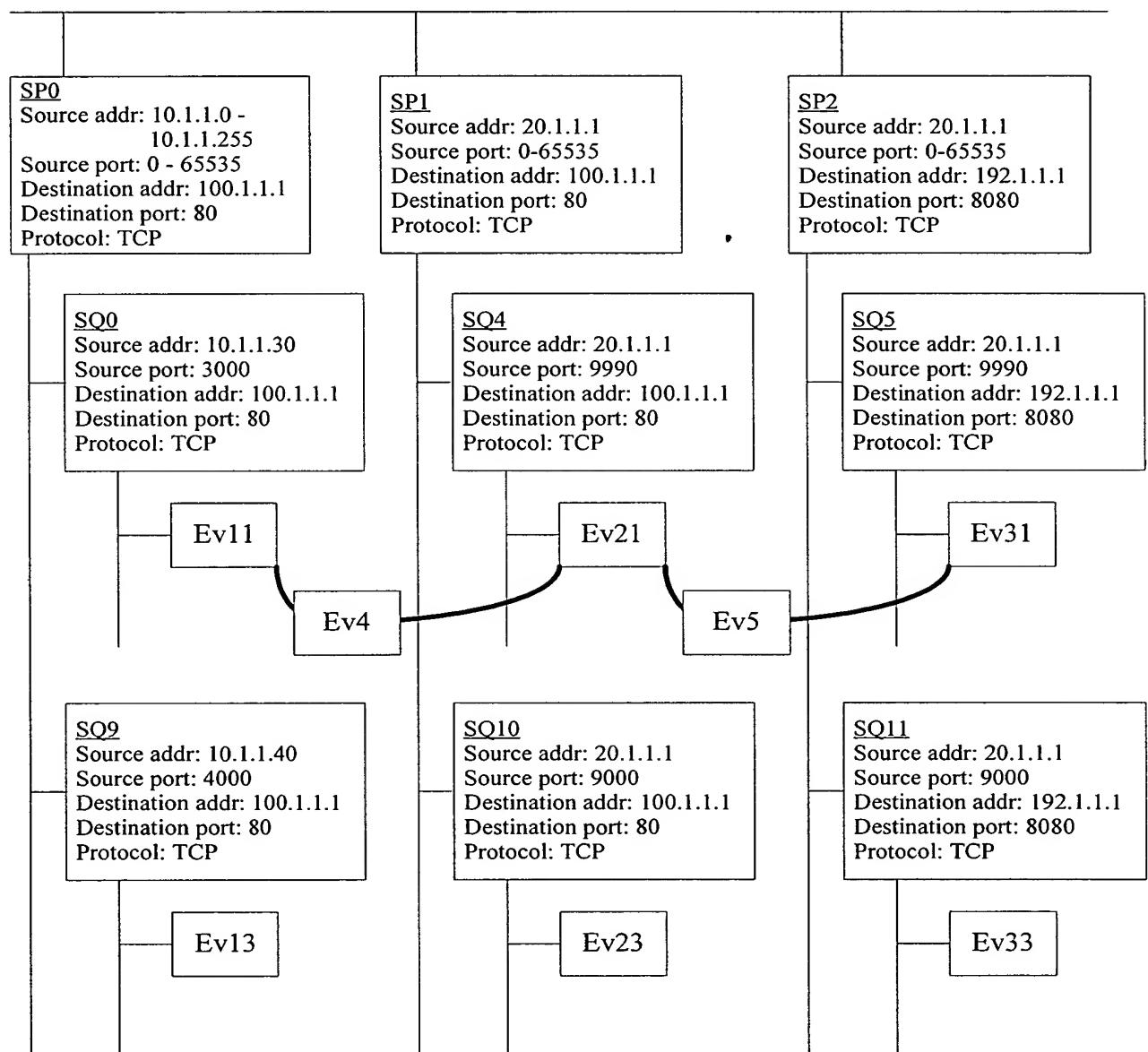


Fig. 6F